



## All Sides

of the

## **Plow Question**

SHAPE
SIZE
EQUIPMENT
WEAR
EASE OF HANDLING
25 STYLES TO CHOOSE FROM



Something more than a thing of beauty-A plow perfectly designed for its job See No. 3, page 3

Bareman Mis

## SON Plows Designed to meet every particular need in the right way

NOST Canadian farmers prefer a narrow plow—they have been using them all their lives. In many parts of Canada and in the northern parts of the United States, the fields are such as to need narrow plows. But there are sections where a wide, flat furrow is more desirable. Sod and trashy land need to have furrows turned so as to cover thoroughly. Some farmers want to set the furrow up on edge, leaving air spaces between the furrows at the bottom. Some want either of these ways in varying degrees. Others have side hills to plow, ridging to do, drills and water furrows to run, ditches to dig, gardens and vineyards to work, and so on.

In the making of Wilkinson plows reputation and character run together. The reputation was a long time growing to its present proportions but the character was always there. We were the first to make wrought iron beam plows, in the early seventies, and the Steel Beam Plow in

1885. As with all pioneers, we went slowly, felt our way, made sure we were right, then went ahead. Each year, we have built up our line, fitting each style and equipment to its work and conditions in the characteristic parts of each Province and the border States.



In New Jersey, U. S. A.



Cross section showing furrow at an angle

You can find here the plow to do your work in the way you want it done.

The Wilkinson Plow easily outlives its generation. That's worth a great deal to you in dollars and cents. dependability and general all-round satisfaction.

This is the Original Wilkinson line, made by the Wilkinson Plough Co., Limited, since 1868. In 1912 Bateman M'f'g Co. of Grenloch, N. J., U. S. A., purchased the plant and reorganized as The Bateman-Wilkinson Co., Limited.

> To avoid disappointment be sure that the plow which you purchase has a large red W on the front, and Wilkinson on the back of the mouldboard.

> Our Guaranty. We positively guarantee that every farm plow built in our factory has the best United States Crucible Standard Soft Center Steel in the mouldboard,

> except in two cases where it should not be used.



Cross section showing flat furrow



The weights given in this book are net, as shown in the cut, and do not include extra share. The latter is furnished free where indicated, but steel shares cost a trifle extra. We carry a full line of Wilkinson Repairs, old and new.

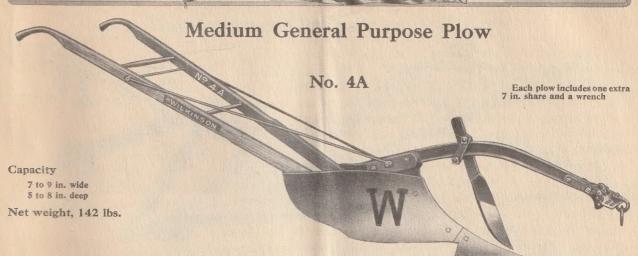
#### The Bateman-Wilkinson Co., Limited Toronto. Canada

Don't forget that we make "Climax" Ensilage and Straw Cutters and a full line of Drag and Wheel Scrapers. Also, ask us about Iron Age Farm, Garden and Orchard Tools.

Under the new American tariff, these goods can be sold in the States on the same basis as American made goods. American farmers who have used Wilkinson Plows speak very highly of them. On American orders, please address

BATEMAN M'F'G CO., Grenloch, N. J., U. S. A., or any of its branches.

# Bateman-Wilkinson (9. WILKINSON Toronto, Canada Established 1868



No.

It would be foolish for us to tell a farmer what to do and what not to do, in the selection of a plow, because most farmers know as much about the working of a plow as we, perhaps more.

With you, it is a matter of a style to do certain work—if you used a plain stick to stir the ground as in olden times and you had sandy soil to work in, you would take a wide stick and get over the ground faster, but if in clay, you would surely use a narrow stick because nothing else would work. It isn't quite as simple as that in these days.

Our business is the making of plows to suit your needs. We present a large variety of styles and equipment, with one important feature common to all: the shares are designed to take hold right and they have the right suction, side and bottom, to stay where they are put. The first plow shown is the No. 4A.

This mouldboard sets the furrow up on edge. Its length is medium, between the Scotch and American types, to suit the majority of farmers in the Province of Ontario and in the border sections of the United States. It always cleans because it is shaped, tempered and finished right. There is 16½ inch clearance under the beam.

Each beam and each coulter is set so that each will be and stay in the right place in relation to the head, to do exact work and get direct draft. The beam is channel steel.

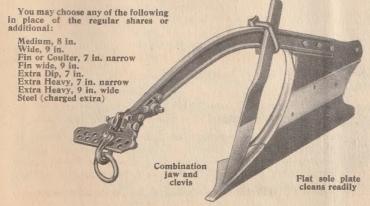
The share is cast, 7 inch, two with each plow, or you

can have the choice of other shares named below at the same price, except steel share, which will be extra.

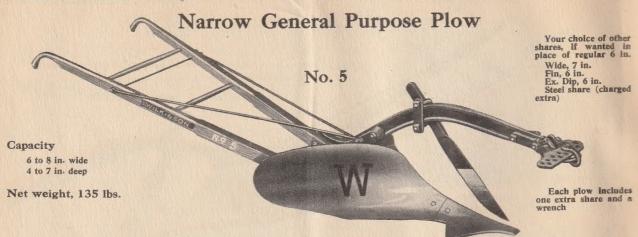
The sole plate is flat and the landside thick—it not only cleans easily in the clay soils where this plow is used quite extensively, but wears well.

The handles, too, make a big difference in the operating—their extra length (6 feet 6½ inches on this plow), the heavy steel trusses from head and beam, and one steel and two wood rounds between handles, make the plow easy to handle all day, without tiring your shoulders.

Weight. Medium, good for any general purpose, on all kinds of land. Light draft.



# Bateman-Wilkinson @ WILKINSON Toronto, Canada Established 1868



1

No. Sometimes called a Sod Plow. Used largely in the moderately heavy lands of Niagara Peninsula, Eastern Ontario, Quebec and the Maritime Provinces. One of the best-selling plows that we make.

Mouldboard. Its beautiful lines explain why No. 5 has remarkably light draft and great cleaning qualities. Sets the furrow on edge at an angle so that it laps and leaves an air space between furrows. See inside front cover for view of this plow at work.

**Share.** 6 inch, two with each plow. Has long point that begins to turn the furrow soon as it enters the ground.

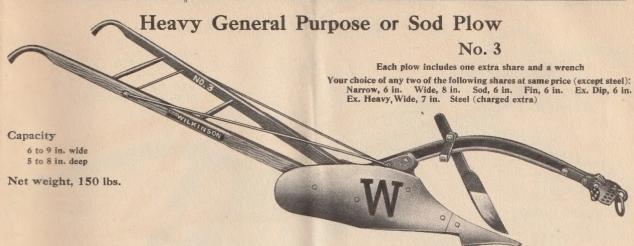
Handles are long, same as No. 4, 6 ft. 6½ inch. Long rods, 7/16 inch.

#### No. Match or Sod Plow

A Sod Plow, with 7 foot handles, a very long mouldboard (37 inch) of the same grade material as used in all iron match plows, and a high cut share to turn furrows true as the boards in a floor, or what is termed "putting the comb on." This makes it an ideal plow for matches. Furnished regular with wrought iron beam, steel sod coulter, malleable coulter holder.

Also furnished with a straight stubble coulter and regular share, so that it can be used where they have been accustomed to using heavy Scotch plow.





Also known

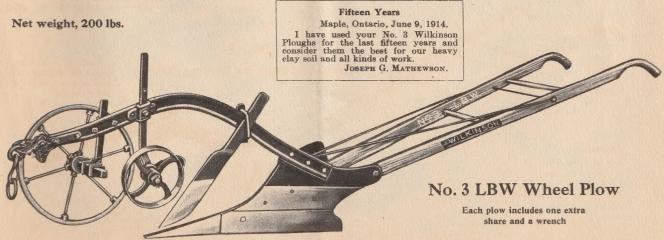
No.

3 IXL

No.

Note the length and beautiful lines of the mouldboard, the long pointed share, the channel steel beam, the 7 foot handles, the weight of the plow-all of these things combine to make it a strong, stiff, steady plow, perfectly adapted to heavy clay land and easily operated without tiring you. The perfect curve of the mouldboard insures a beautiful furrow, with a moderate comb, with the least possible draft and leaving a narrow furrow at the finish. The long mouldboard has more gradual press than No. 5. This plow is used in the heaviest soils of Ontario and Quebec. It is very often fitted with sod share and coulter and used for match work.

No. 3LBW Wheel Plow Has a longer beam with more clearance and with independent gauge and furrow wheels—these add a trifle over 40 pounds to the weight of an ordinary plow, making them stay to their work in very hard ground. They do the work of a single sulky plow, at very much less cost. This wheel plow is often purchased in this form because a boy or inexperienced plowman can use it satisfactorily—the wheels gauge the depth and width. We apply these wheels to Nos. 3, 4A, 5, 7 and 21 plows, but a long beam must be included.



No. 2

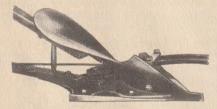
### Light, Wide Plow

Capacity 8 to 10 in. wide 3 to 7 in. deep

Each plow includes one extra share and a wrench

Net weight, 116 lbs.

No. This plow is especially good for orchard districts. It may be used either as a light two horse plow or heavy one horse tool. When



No. 2. Wide Bottom

used with one horse, an extra clevis is supplied at trifling extra cost.

Has a short, wide mouldboard and a 10 inch, wide cast share. Turns a flat furrow. The handles are 5 feet 2 inches long. Both of the plows shown on

this page are intended for use with small horses and their principal difference is in the width and shape of the mouldboard.

#### Light, Narrow Plow No.

This plow is used largely in the orchard and garden districts in Ontario and as a farm plow in the Maritime Provinces and Quebec.



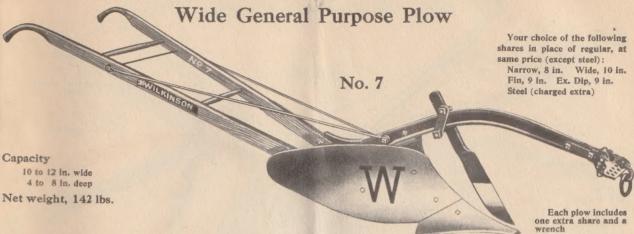
No. 6. Narrow Bottom

No. 6 Each plow includes one extra share and a wrench Capacity 7 to 9 in. wide 4 to 7 in. deep Net weight, 114 lbs. Your choice of same shares as on No. 5

May be used either as a light two horse plow or heavy one horse. Has long, narrow mouldboard, 6 inch narrow cast share and 6 foot handles. Turns a moderate comb furrow.



## Toronto, Canada



No. This plow is most suitable for gravelly and clay soils. When you get hold of the handles, you know that you have a stiff, firm plow throughout-you can plow all day without getting tired in the shoulders.

> Has a long, wide mouldboard and a medium 9 inch share, long, cast sole plate, 11/8 inch channel steel beam, 6 foot handles, long brace rods.

> Is often rigged with Skim and Wheel (see inside back cover).

The shape of the mouldboard makes it suitable as a Jointer plow, for covering heavy stubble and long manure thoroughly. Turns a moderately flat furrow.

#### Light, Wide General Purpose No. 21 Plow

Suited to clay loam and sandy soils. This plow is somewhat lighter than No. 7, has a shorter mouldboard and a trifle wider in the bottom. Turns the furrow moderately flat. Often rigged with Skim and Wheel.

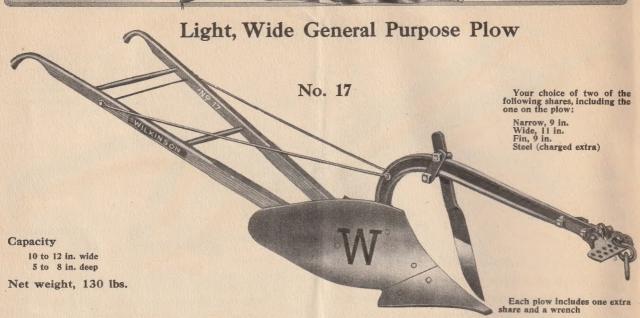


Capacity

10 to 12 in. wide 5 to 8 in. deep

Net weight, 135 lbs.





No.

The feature of this plow is the pressed steel head as shown in Fig. 493. The steel head

is unbreakable and of course is very much lighter than a cast head.

We are the only manufacturers making a steel head walking plow for the Ontario trade.

Has an arched fluted steel beam and the handles are 6 feet 7 inches long. It is a wide plow, turning the furrow moderately flat. Is especially good in clay loam. Rigged with Skim and Wheel when ordered.

This plow is considered the strongest light plow built—we have made it many years, with unvarying satisfaction and we recommend it in all confidence to the most particu-

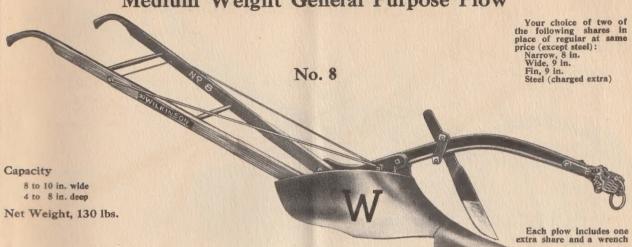
lar trade

It has been used in many parts of the Northern section of the United States.

On the cover of this book is shown a view of No. 17 turning under tall rye, a general practice in New Jersey and along the rest of the Atlantic coast. Also, heavy crops of soy beans and cow peas are turned under every year in the Southern States. These soils require a great deal of humus and it is important to get the cover crop turned under thoroughly to do the most good and cause the least trouble in planting and cultivation. This is one of the best plows for this purpose.



#### Medium Weight General Purpose Plow



No. A popular plow in certain districts. It is entirely suitable for clay loam, turns a nice, clean furrow on edge much like the No. 4A, draws light and holds easy.

Has a medium length mouldboard, the breast of which is somewhat more convex than No. 4A and a trifle wider at the bottom. 7 inch share. The handles are 6 feet 6 inches long.

No. Jointer Plow

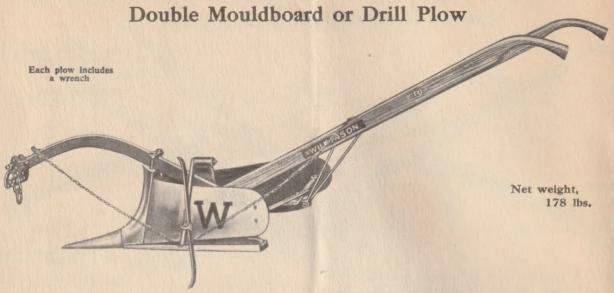
30 This is a full rigged (Skim and Wheel) steel

trimmed jointer plow which has been a universal favorite for many years.

A light, wide plow and is used more particularly in light soils and for covering up stubble, trash, etc. Turns a flat furrow.

Light draft, cleaning qualities unsurpassed, easy to handle, sure to cover, where a perfectly flat furrow is required.





Drill This plow has many uses, including the fol-Plow lowing:

Drilling up for roots
Running out water furrows
Ridging up ground in the Fall
Covering corn stubble
and, when so ordered,
For digging potatoes

Any tool is more valuable that can be used in several practical ways throughout the season. Instead of lying around in the way, it is earning its own way many times over.

Then, a simply constructed tool that does so many things well is a prize—you are always glad that you have it. Eastern Canada has always believed in diversified farming and that kind of farming means many tools. If, as in this case, you can get one tool to do many kinds of work, isn't it wise to make such a purchase? There will always be roots to drill for, water furrows to run, ridging to

do, potatoes to dig, and so on. (Don't make the mistake, however, of making this tool do work that another special tool can do more economically and better, for instance, Diggers or Riding Ridgers, etc.)

All working parts are steel—steel beam, open hearth steel mouldboards, long steel points or share which practically never wears out. The mouldboard is adjustable for width and turns a furrow 15 to 28 inches wide and the range of depth is 6 to 12 inches. The marker is steel and made so that it is can be used either side without removing it. It lays out the next row, from 24 to 36 inches apart.

The handles are very long—8 feet—steel-trussed; this makes the plow easy to guide.

#### Digger Attachment

It is usually ordered with the plow for it is a practical attachment that adds considerable value to the plow, without much additional cost. If you have several acres to dig each year, it will pay you to use an Iron Age Elevator Digger.

506





Side A modern tool in every respect, with a double flat steel beam, a well shaped open Plow hearth steel mouldboard and other steel and

it does good workit turns the furrow in a very satisfactory manner.

A glance at the cut below will show plainly how this side hill plow operates. The mouldboard, share and brackets are securely pivoted to the sole plate. When reversing the plow for right and left hand work, simply release the lock lever, lift the plow by the handles, and

the mouldboard, etc., will swing on the pivots of its own weight. Then, throw the lock lever over and lock it around the pin on the mouldboard malleable iron fittings. Not a cheap thing bracket. An easy, simple, practical operation, but on it and, because it is well constructed, it is possible only because of the good construction.

> Because of the changing from one side to the other, steel mouldboards are much better than cast.

The plow is rigged with Skim and Wheel, both adjustable for height, and the skim can be shifted from right to left, as required by the operator. · This plow cuts 11 inches. It is not recommended for very heavy clay soil.

PIVOT-

Wilkinson Plows outlive their generation

#### One Horse Plows

O.H. A narrow plow for Narrow market or other garden work, vine-yards, orchards, etc.
Has a long, narrow mouldboard, turns a narrow furrow with moderate comb, and thoroughly tills the ground. Is a strong, light draft plow, often used in heavy soil.

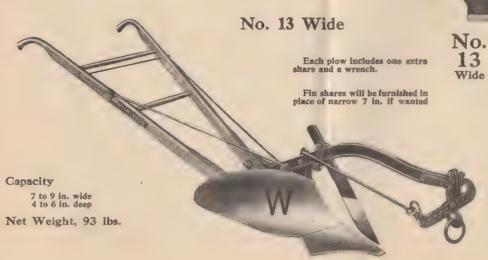




Has a 5½ inch cast share when shipped regular, but a steel share can be furnished, if wanted.

The handles are 5 feet 3 inches long and are trussed inside the handles, to prevent possible barking of the trees.

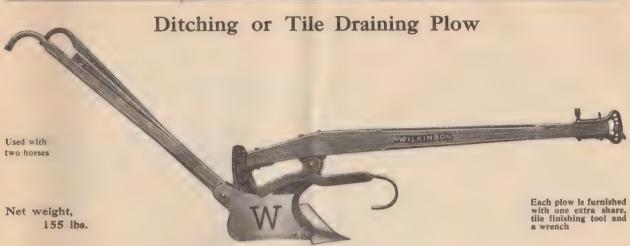




This one horse plow has a short, wide bottom and is especially built for use in well-cultivated land, and light, sandy or loamy soils. Used in gardens, orchards, vineyards, etc. Has a 7 inch cast share. Turns the furrow nearly flat.

The handles are 5 feet 4 inches long.





#### Ditching Plow

Tile drained land repays the investment in three average years. Any farmer who has a week's tile draining will more than pay for the plow in labor saved. Five good men cannot loosen the soil at the same rate as our ditcher. By actual test, under average conditions, two men can complete a drain, 700 feet long, ready for



turned with an ordinary farm plow. Then they go back and forth with the Ditching Plow, making about three cuts down before they stop to shovel out the earth. The gauge can be set so as to plow from 1 to 7 inches deep in the ditch and the beam is raised as the

ditch becomes deeper. This plow does not raise the earth out of the ditch.

You can make the ditch wider at the top, if necessary, by putting on a long doubletree and spreading the horses. When you get down into the ditch pretty well, it may be necessary to put a chain on to give the plow extra depth as the earth which is thrown from the ditch on each side would probably keep the doubletree off the ground unless you use a chain—depends somewhat on the length of the doubletree and how far the ditchers throw the earth back from the edge of the ditch.

The plow is built strong, for heavy digging, and with moderate care will last a lifetime.

A tile finishing tool is furnished without extra charge. When the ditch is being finished in clay,

comparatively free from gravel or stone, put the tiling attachment on last to cut out a groove to receive the tile. If bottom of the ditch is gravelly or stony, a pick is generally used for the purpose.





No.

3 C

Pick A heavy, compact, cast beam plow, with the Plow weight centralized, where it is most needed for the heavy work it has to do.

It is used chiefly in very stony or rocky places and is particularly adapted for breaking up macadam, solid gravel, concrete roads or hardpan. With sufficient horsepower, this plow can safely be put at anything short of solid rock. It is used with one, two or more teams.

Has a reversible  $3 \times \frac{7}{8}$  inch pick point and is made of the highest grade of cast tool steel, highly tempered.

The handles are extra heavy timber, heavily braced and lined with steel rub irons—nothing to bend, nothing to strain, nothing to break.

Fitted with gauge wheel for depth and the draw hook can be moved up or down to get more or less "holt."

#### Light Contractor's Plow

Built to work in heavy clay or light shale. It will stand 3 horses, is strong, stiff and steady and does not require a man to ride the beam. It turns an 8 inch furrow, 6 inches deep. Has steel beam—1¾ x 2¾, U. S. Standard Soft Center Steel mouldboard, 6 inch cast share, ¾ inch steel coulter and special heavy standard or head. Heavily ironed and well braced handles. Furnished with wheel if wanted.

No. 3 C

Light Contractor's Plow

Each plow includes one extra share and a wrench Steel share (charged extra)

Net weight, 170 lbs.



## Toronto, Canada

#### Rooter Plow

For macadam, gravel, asphalt, and hard clay roads Net weight, 250 lbs.

Established 1868

#### Rooter Plow

A heavy plow for the heaviest work—just what its name implies, a rooter for macadam, gravel, asphalt and hard clay roadsall are torn up with ease. Railroad contractors also use them a great deal. Has great strength-four or six horses are frequently used on it, on city streets.

MISHINSON

The share is welded under enormous pressure, the cast beam is strongly trussed, the handles are extra heavy rock elm with rub irons and heavy braces and there is a heavy movable clevis and ring. There is also a heavy, adjustable gauge wheel.

It is always advisable to order extra share with the plow, to save loss of time in sharpening the share.

Railroad or Contractor's Plow

Massive construction and heavily ironed throughout-built to stand the roughest conditions in contractor's work. Used on heavy grades. Operated with from two to six horses.

Landside and share are made in one

ENVIEW NETWO

piece, from the best plow steel, and both are double shinned. The standard and cap are forged from steel. Mouldboard and cutter or coulter are also made of best plow steel and the latter is reversible. Each plow cuts 12 inches.

The handles are steel, made of 2 x 3/4 stock, and pieces of 1 inch round steel are welded to them for hand holds.

The beam is selected timber. There are neavy steel draft rods underneath, bolted to the standard. A short gauge is furnished with each plow.

### Railroad or Contractor's Plow

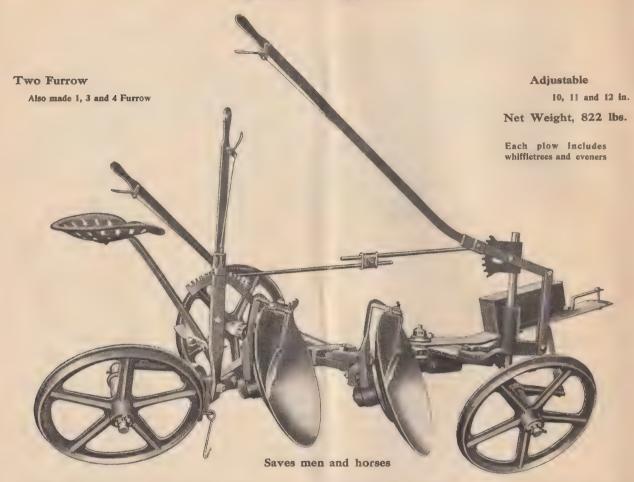
Wrench furnished with

Built to stand the roughest conditions

Net weight, 300 lbs.



#### Hancock Disc Plow



A single disc plow turns more soil than a mould-board plow and has less draft.

Stalks, trash and weeds are turned under thoroughly. Soil is pulverized and hardpan layer broken up. This makes the soil fine and loose, clear through to the bottom of the furrow and in the best shape for either wet or dry seasons. You get better crops than by any other method of plowing.

Turns easily. Grease compression cups are fitted on all disc bearings, decreasing the draft. Hancock Disc Plows are one third lighter draft than any other plow built.

The width of furrow is regulated by spacing blocks and

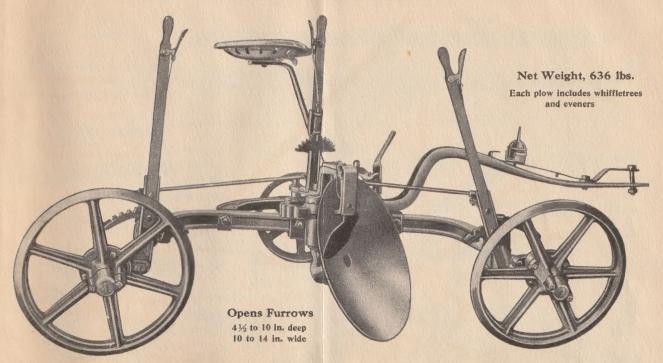
the plow is adjusted to and from land by the hitch at the end of the pole, same as on a walking plow. Levers regulate depth of furrow. Front of the plow should be level.

The discs are 24 inch, best grade of disc steel. The scrapers are adjustable and can be set low to turn the trash under, or straight for sticky land.

Parts are interchangeable and convertible so that a 4 disc plow can be made into 1, 2 or 3. Extra parts can be supplied to convert 1 or 2 Disc into 3 or 4 Disc.

Each plow is supplied with File, Oil Can and Special Wrench.

#### Reversible Disc Plow



What we have said on the previous page about disc plows applies here also, and more—this plow is reversible to plow forward and return on the next furrow without turning your plow around. Simply press a lever with your foot and the team reverses for plowing back and forth on the same side of the land. They plow goin' and comin'.

This plow works well on either hillsides or level land or in plowing terraces. They leave no water furrows. They may be used in plowing around land. They are not suitable for sod.

On hillsides you can level the plow by removing key in top of land wheel axle, turn wheel axle upside down and replace the key. Adjust the levers so the plow will set level, front and rear. The rods with landing lever govern the lead of the furrow wheels. The plow is adjustable for more land by sliding out one casting. Set screws adjust the scrapers. The disc is 24 inch.

The main frame and the pole are fluted steel beams. Strong, durable, simple in construction, easily kept in repair.

We guarantee against breakage for twelve months on account of defects in material or workmanship.

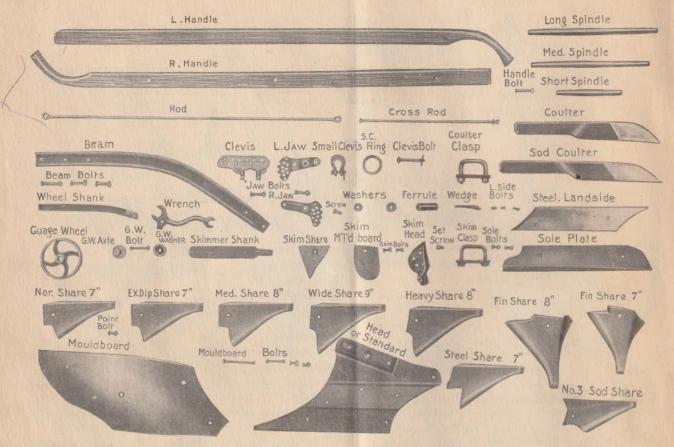
These plows have been thoroughly tested in many years' hard service in many parts of the world. You will get full value for your money—they are economical to use and easy to operate. They are exceptionally light draft, break up the hardest land, pulverize the soil and last for years.

Any farm help can understand them and get good results in their use. In some sections they are used almost exclusively—they won't have anything else.

Keep the bearings well oiled—there is ample provision for this.

To set scraper close to disc, loosen nut on top of adjusting bar and move scraper rod further into slot. Keep disc sharp with file when in use, and well oiled when not in use.

#### Parts for No. 4A Plow and Attachments



The purpose of showing these parts here is, first, to illustrate and name the parts of one plow and its attachments (such as skim, wheel, etc.) in order that you may be able to refer in the right terms to the parts wanted for this or any plow when ordered as repairs, and, second, to make plain what is meant by reference to various parts in the descriptions accompanying each plow and the choice of equipment for each when shipped as a complete machine. The name Wilkinson is cast on all shares (or points), heads and soles, and stamped in the back of the mouldboard. There are many imitations of these parts and they are necessarily of inferior quality—

so you should watch out that you get what you order.

Ours is the original Wilkinson Plough Co.'s line and we are prepared to furnish any repairs for any Wilkinson Plows or implements.

In a letter to Bateman M'f'g Co., Grenloch, N. J. (the American office) the following appears:

"Just to show you that Wilkinson Plows are good Plows, a farmer has just been in getting repairs for a No. 3 I. X. L. Plow which he has had for thirty years. Of course he has had it mounted once or twice, that is, a new head or a new mouldboard, but it only goes to show that they must have been made of pretty good stuff or otherwise they could not stand the wear and tear of thirty years."

#### Bateman-Wilkinson (o Limited

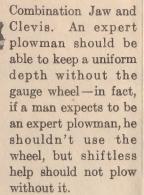
#### Toronto, Canada Established 1868

#### Plow Attachments

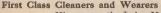
The Skimmer or Jointer can be used on any two horse plow where it is suitable. Nos. 7, 17 and 21 are often rigged with it, and No. 30 has it as part of its equipment. It is adjustable for depth and the angle at which it lightly skims and cuts the sod or top soil.

The Gauge Wheel marks the depth at which you want the plow to work. One set screw makes the adjustment.

> The wheel can be used on any plow that has the



Gauge and Furrow Wheel Truck. When fitted to any steel beam Wilkinson plow, the plow will run



Niagara-on-the-Lake, May 6, 1914.

Gentlemen:

Fig. 503.

Gauge

Gentlemen:

I have used Wilkinson Plows for the last twelve years and found them (especially No. 4) the only plow, in my opinion, made fit to use as they are so light in draft on the team and will do the work for fancy or wide plowing, also first class cleaners and wearers.

Yours truly,

M. SLINGERLAND

M. SLINGERLAND. In Use 20 Years

Callander, Ont., April 8, 1914. The Bateman-Wilkinson Co., Limited, Toronto.

The Dateman:
Gentlemen:
Will you please send me price of your two horse plow? I have had my No. 13 one horse for 20 years and it has done a lot of work, sometimes in stiff clay with two horses and the beam has not sprung in the least. Respectfully yours,
A. Johnston.



Uses Twelve No. 4 Plows Niagara-on-the-Lake, Ont.,

May 4, 1914. The Bateman-Wilkinson Co.,

Toronto.

We use nothing but Wilkinson plows on our property and we find them very serviceable, able to stand hard work and rough plowing, and in the hands of a good plowman, will turn a good clean furrow. I do not hesitate to say that I am perfectly satisfied with the plow and the material and workmanship of it. We use twelve No. 4.

Yours truly,

T. B. RIVETT.

itself the whole length of the furrow. It is adjustable for depth and width (each wheel separately), and a wedge

holds it in proper position on the beam.

set a boy can do first class work with it.

Independent gauge and furrow Wheels. We apply them to Nos. 3, 4A, 5. 7 and 21

Fig. 504. Gauge and furrow wheel truck

plows, but a long beam must be included.

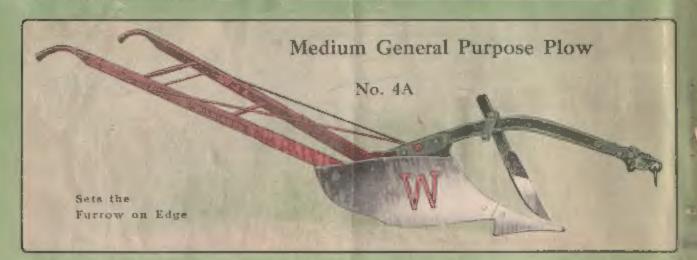


these wheels a boy or inexperienced plowman can do very satisfactory work. The wheels gauge depth and width. They add about 40 pounds to the weight of a regular plow.

The oldest line of steel beam plows in the Dominion

## WILKINSON

U.S.Standard Soft Center Steel Mouldboards



The standard for all plow making in Canada is the Wilkinson, and has been for years.

Suppose you go to your dealer and suk about ploves. He was, "I'll show you what I've got; here's one nust as good as the "silenson." Don't you time at once "it's the wikinson I want to see!" You'll know it by a red "W" on the face and "Wikinson" on the back of the avoidboard.

